

PATENT SPECIFICATION

DRAWINGS ATTACHED

835.088



Date of filing Complete Specification: Sept. 10, 1958.

Application Date: Sept. 21, 1957.

No. 29758/57.

Complete Specification Published: May 18, 1960.

Index at acceptance:—Class 132(3), S1(B:F3:F6).

International Classification:—A62h.

COMPLETE SPECIFICATION

Toys and a method of and means for Manufacturing the same

I, NORMAN HARTLEY, a British subject, of 22, Melrose Street, Lee Mount, Halifax, in the County of York, do hereby declare the invention for which I pray that a Patent may be granted to me and the method by which it is to be performed to be particularly described in and by the following statement:—

The invention relates to soft toys such as dolls and has for its object to provide a new or improved method of and means for constructing them whereby the toys possess a very attractive appearance, are of light weight, cuddly and hygienic.

According to the invention dolls and similar toys comprise a foundation cut or shaped from sheets of foamed synthetic material in a manner whereby the body portion and the head, arms and legs thereof are of rectangular shape in cross-section, a face portion or portions and feet or shoes being subsequently bonded to the said foundation in any suitable manner.

In order that the invention may be fully and clearly comprehended the same will now be described with reference to the accompanying drawings, in which:—

Figure 1 is a front view of the foundation of a doll constructed according to the invention, and Figure 2 is a side view.

Figures 3 and 4 are similar views to Figures 1 and 2 of a portion intended to form the face of the finished doll.

Figures 5 and 6 are front and rear views of a completed and dressed doll constructed according to the invention, and Figure 7 is a side view thereof.

In the example of the invention applied to a toy girl doll as illustrated in the drawings a sheet of foamed polyurethane of suitable thickness and colour is subjected to the stamping or cutting action of an appropriately shaped die mounted in a press so as to produce a one-part figure or foundation A having a body, a head, a pair of arms and a pair of legs (see Figures 1 and 2).

A face portion B (Figures 2 and 3) is also cut from suitable material in the manner aforesaid, as are also a pair of shoes or feet C (see Figures 5—7).

The face B has a pair of eyes consisting of beads or other suitable members D and sets of eyelashes E stitched or otherwise secured in position thereon and a mouth F and nose G are formed in any suitable manner. For example, by appropriately inserting stitches of thread a mouth and nose may be quickly formed owing to the resiliency of the material employed.

The front of the head and the back of the face B are subsequently caused to adhere together in any suitable manner or by any suitable bonding agent.

Similarly, the ends of the legs and the feet or shoes C are secured together in a manner whereby the feet or shoes project forwardly.

To form hands on the ends of the arms a loop or loops of thread or string H is or are tied in position at a suitable distance from the ends to somewhat distort the foundation material, although it must be understood that separate hands may be cemented into position if desired. The appearance of the hands may be enhanced by forming a cleft J in the ends of the arms.

Plaited, twisted or similarly manipulated thin foamed material to represent hair K is stitched or cemented on the top and sides of the head and a bonnet or hat L is then secured in position by stitching to the head or to the hair. Ornamentation of the bonnet may be effected in any suitable manner such as by the employment of beads M.

Underclothes and a blouse N or skirt O also composed of thin sheet polyurethane are draped upon the body of the doll in any suitable style, the sleeves being caused to puff by correctly inserted stitching and draping, and the petticoat P and skirt may be joined by blanket stitching or by an adhesive or bonding agent.

Strips of thin sheet polyurethane may be secured in position to form a scarf R, a belt T and pinafore V.

By utilising foamed sheet material of various colours a doll of very pleasing and pretty appearance may be produced, and although the body and limbs are of rectangular shape in cross-section the finished effect is very realistic.

Instead of employing one face portion B as illustrated in the drawings, two or more portions may be used in superposed relationship.

Should it be desired to construct animal or similar figures the shape of the foundation is varied accordingly and appropriately designed feet or paws may be secured to the legs; or the ends of the latter may be distorted by attaching threads or the like as in the case of the hands of the before-described doll.

Two suitably shaped face portions attached one at each side of the foundation are added and provided with eyes, a muzzle, ears or other desired parts. A tail may also be attached to the foundation or it may be formed integral therewith.

WHAT I CLAIM IS:—

1. Dolls or similar toys, comprising a foundation cut or shaped from a sheet of foamed synthetic material in a manner whereby the body portion and the head, arms and legs

thereof are of rectangular shape in cross-section, a face portion or portions and feet or shoes being subsequently bonded to the said foundation in any suitable manner.

2. Dolls or similar toys according to Claim 1, wherein the face portion is furnished with eyes consisting of beads or other suitable members.

3. Dolls or similar toys according to either of the preceding claims, wherein the face portion is furnished with a nose and mouth by appropriately inserted stitches.

4. Dolls or similar toys according to any one of the preceding Claims, wherein hands are formed on desired members of the foundation portion by securing thread or string thereto to somewhat distort the said members.

5. Dolls or similar toys according to any one of the preceding Claims, characterised in that they are clothed with suitable garments composed of foamed synthetic sheet material.

6. Dolls or similar toys characterised by the construction, arrangement and combination of parts substantially as herein set forth and as illustrated in the accompanying drawings.

JOHN E. WALSH & CO.,

Chartered Patent Agents,

18 Crossley Street, Halifax, also at
Leeds and London.

PROVISIONAL SPECIFICATION

Toys and a method of and means for Manufacturing the same

I, NORMAN HARTLEY, a British Subject, of 22, Melrose Street, Lee Mount, Halifax, in the County of York, do hereby declare this invention to be described in the following statement:—

The invention relates to soft toys such as dolls and has for its object to provide a new or improved method of and means for constructing them whereby the toys possess a very attractive appearance, are of light weight, cuddly and hygienic.

According to the invention the toys are of composite construction whose several parts are shaped from foamed synthetic sheet material such as polyurethane of suitable thickness and colour cemented or otherwise secured together. Clothes for the toys are also composed of foamed synthetic material and may be sewn or otherwise secured in position.

In an example of the invention as applied to a toy girl doll a sheet of polyurethane of suitable thickness and colour is subjected to the stamping or cutting action of an appropriately shaped die mounted in a press so as to produce a one-part figure having a body, a head, a pair of arms and a pair of legs.

A face is also cut from suitable foamed material in the manner aforesaid as are also a pair of shoes or feet.

The face has a pair of eyes and sets of eye-lashes stitched or otherwise secured in position thereon and a mouth and nose are formed

in any suitable manner. For example, by appropriately inserting stitches of thread a mouth and nose may be quickly formed owing to the resiliency of the material employed.

The front of the head and the back of the face are subsequently caused to adhere together in any suitable manner or by any suitable means.

Similarly, the ends of the legs and the feet or shoes are secured together in a manner whereby the feet or shoes project forwardly.

To form hands on the ends of the arms a loop or loops of thread is or are tied in position at a suitable distance from the ends, although it must be understood that separate hands may be cemented into position if desired.

Plaited, twisted or similarly manipulated thin foamed material to represent hair is stitched or cemented on the top and sides of the head and a bonnet or hat is then secured in position by stitching to the head or to the hair. Ornamentation of the bonnet may be effected in any suitable manner such as by the employment of beads.

Underclothes and a blouse and/or dress also composed of thin polyurethane are draped upon the body of the doll in any suitable style, the sleeves being caused to puff by correctly inserted stitching and the petticoat and skirt being joined by blanket stitching.

A strip or strips of thin sheet polyurethane

may be secured in position to form a scarf or bodice and a belt and pinafore.

shape in cross-section the finished effect is very realistic.

5 By utilising foamed sheet material of various colours a doll of very pleasing and pretty appearance may be produced, and although the body and limbs are of rectangular

JOHN E. WALSH & CO.,
Chartered Patent Agents,
Leeds and London.

Leamington Spa: Printed for Her Majesty's Stationery Office, by the Courier Press.—1960.
Published by The Patent Office, 25, Southampton Buildings, London, W.C.2, from which
copies may be obtained.

Fig. 3.

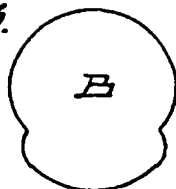


Fig. 4.

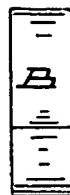


Fig. 1.

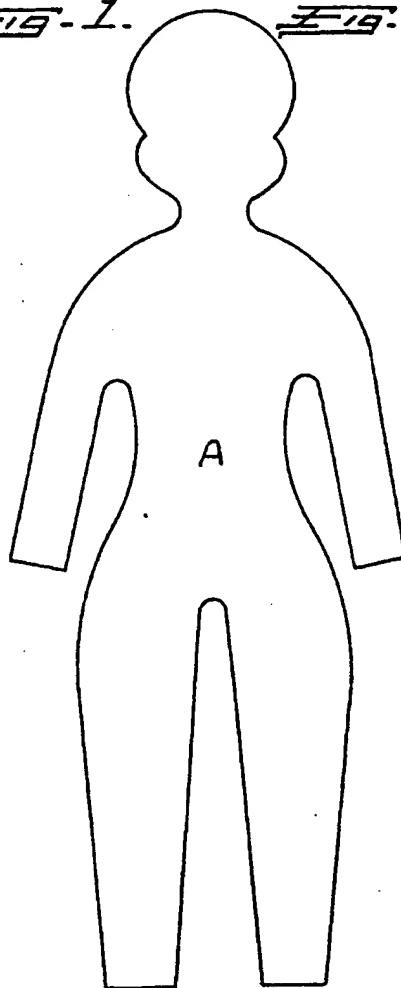
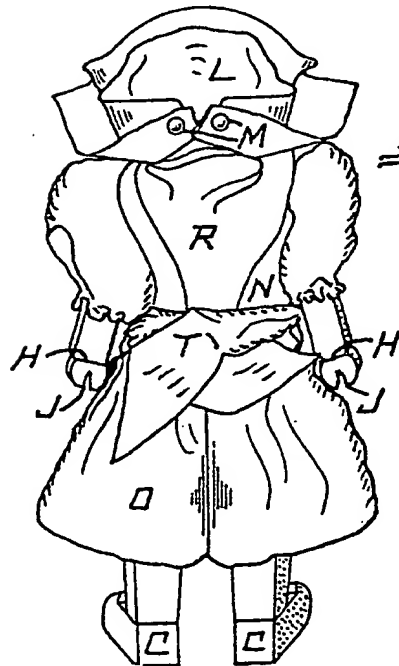
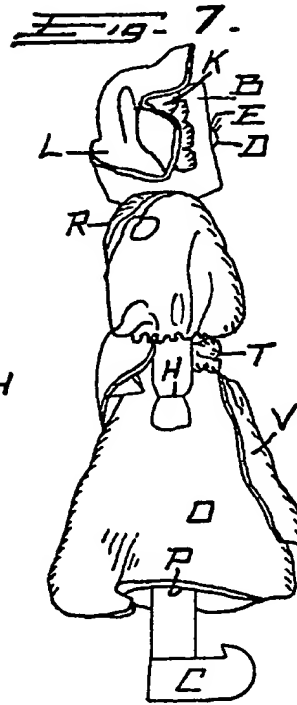
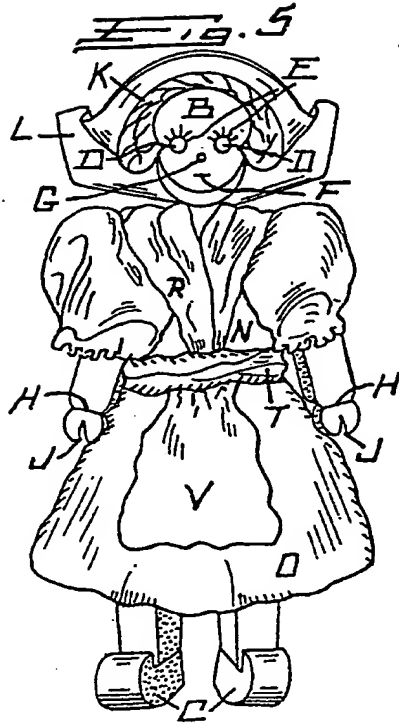


Fig. 2.



835,088 COMPLETE SPECIFICATION

2 SHEETS This drawing is a reproduction of
the Original on a reduced scale.
SHEETS 1 & 2



835,088 COMPLETE SPECIFICATION
 2 SHEETS This drawing is a reproduction of
 the Original on a reduced scale.
 SHEETS 1 & 2

